

MATERIAL SAFETY DATA SHEET

ULTRA LEVEL IT LEVELLING SCREED

1. Identification of the substance/preparation and company.

Product Name : Ultra level IT Levelling Screed
Product Type : Self Levelling Polymer Modified Cement Floor Screed
Application : Industrial Floor Topping.

Supplier: Emergency Telephone Number: (01202) 891899
Epoxy Products Limited 7 Haviland Road, Ferndown Industrial Estate, Wimborne, Dorset. BH21 7RZ England

2. Hazards Identification

Physical Hazard : None-classifiable
Health Hazard : Irritant (Xi)

When cement based powders are mixed with water or when they become damp a strong alkaline solution is produced, which can cause serious burns or ulcerations to the skin or eyes. Strong alkaline solutions tend to damage nerve endings in the skin so chemical burns can develop without pain being felt at the time. In addition cement mortars can cause irritant and allergic dermatitis.

3. Composition/Information on Ingredients

Consists of a mixture of cement powder with small quantities (less than 1%) of organic individual additives.

Information on Ingredients

The ingredients listed below have been associated with one or more of the listed immediate and/or delayed (*) health hazards. Risk of damage and effects depends upon duration and level of exposure.

<u>CAS/Registry No.</u>	<u>Material Description</u>	<u>% Content</u>
65997-15-1	*Portland Cement- Physical Hazard: Non classified Health Hazard: Irritant (Xi) Irritating to eyes. (R36) Irritating to respiratory system. (R37) Irritating to skin. (R38) Risk of serious damage to eyes. (R41) May cause sensitisation by skin contact. (R43)	96 – 99
14808-60-7	Other Inorganic Fillers (Including Silica Sand) Physical Hazard: Non-classifiable Health Hazard: None Irritating to respiratory system. (R37)	>50
1332-58-7	Kaolin	>1
14807-96-6	Talc (not containing asbestos) Polymer Binder	>1 <5

4. First-aid Measures

Ingestion : If accidentally swallowed, give large quantities of water or dilute the effects on the stomach. Do not. Induce vomiting.
Inhalation : If inhalation occurs, remove to fresh air. If nose airways become inflamed, seek medical advice.
Skin : In case of contact, immediately wash with plenty of water, remove contaminated clothing. If irritation pain or other skin trouble occurs, seek medical attention.
Eye Contact : Immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held apart during irrigation to ensure water contact with entire surface of eyes and lids. Obtain immediate medical attention.
An eye wash station or means of irrigation should be readily available.

5. Fire-fighting Measures

Extinguishing Media : Water or Foam extinguishers are suitable.
Unsuitable Extinguishing Media : None specified
Special Exposure Hazards arising from combustion including gaseous by-products : Product is non flammable and will not facilitate combustion with other materials.
Special Protective Equipment for Fire Fighters : None

6. Accidental Release Measures

Personal Precautions

Wearing suitable personal protection (dust masks, gloves and goggles) as in section 8, recover spillage in dry state, if possible avoiding dust formation.

Environmental Precautions

In accordance with local authority, regulations do not allow material into water courses and drains.

Methods for Cleaning Up

Try to avoid build up of dust where possible. Vacuum removal if available is the most suitable. If product is hydrated, mechanical aids maybe required to reduce manual handling risks.

Exposure Controls/Personal Protection Refer to Section 8

Disposal Considerations

Should be disposed at a suitable landfill site in accordance with Control of Pollution Act 1974, Environmental Protection Act 1990 and local authority regulations. Addition of this product to water will give an alkaline solution, which maybe toxic to aquatic life.

7. Handling and Storage

Handling

Handle in accordance with good industrial hygiene and safety practices. Refer to Section 8 for appropriate personal protection equipment. Wash thoroughly after handling.

Storage

Store in a dry place in temperature range between 5°C – 25°C. Protect from frost.

8. Exposure Controls/Personal Protection

Portland Cement	:	OES 8 Hr Time Weighed Average (TWA) 10mg/m ³ total inhalable dust. 4mg/m ³ respirable dust.
Silica Sand	:	OES 8 Hr Time Weighed Average (TWA) 0.3mg/m ³ respirable dust.
Polymer Binder	:	OES 8 Hr Time Weighed Average (TWA) 2mg/m ³ total inhalable dust.
Kaolin	:	OES 8 Hr Time Weighed Average (TWA) 2mg/m ³ total inhalable dust.
Talc	:	OES 8 Hr Time Weighed Average (TWA) 1mg/m ³ total inhalable dust.

Exposure Controls

Suitable gloves should be worn to prevent skin contact: if dust formation is likely a suitable dust mask should be worn. If splashing is possible, goggles should be worn.

Occupational Exposure Controls

Respiratory Protection

Use dust mask which will resist respirable dust.

Hand Protection

Impermeable or rubber based gloves capable of prevention of contact with skin should be worn. Glove must possess enough durability to prevent dermal exposure during the specific application. If contact with skin occurs wash immediately with water.

Eye Protection

Dustproof goggles should be worn whenever there is a risk of powder or water/powder mixture entering the eye.

Skin Protection

Avoid all skin contact. Wear full length overalls to protect skin from splashes, remove all contaminated clothing and launder before re-use. During light applications face protection is not normally required.

Environmental Exposure Controls

Do not allow product to enter water courses or drains. Dispose of surplus materials and packaging in accordance with local authority regulations.

9. Physical and Chemical Properties

Appearance	Grey powder
pH	12 –14 when mixed with water
Boiling Point	Not applicable
Flammability	Not applicable
Explosive Limits	Not applicable
Oxidising Properties	Not applicable
Vapour Pressure	Not applicable
Relative Density	1.6 - 2.0g/cm ³
Water Solubility	Not applicable
Fat Solubility	Not determined
Partition Coefficient	Not determined

10. Stability and Reactivity

Conditions to avoid

Storage in wet conditions may lead to premature hydration of the product. Exposure to skin when wet.

Materials to Avoid

Avoid strong acids and alkalines

Hazardous Decomposition Products

None

Safety Significance of Change in Physical Appearance of Material

Potency of irritation increases during mixing with water and before curing.

11. Toxicological Information

Acute toxicity (oral, inhalation or dermal)	:	Not applicable
Eyes	:	Irritating to eyes.
Inhalation	:	May cause inflammation of mucous membranes. Harmful by inhalation
Skin	:	Irritating to skin. May cause dermatitis and burns.
Eyes	:	Severe eye irritant.
Repeated-dose toxicity	:	In excess of the OES has been linked with Rhinitis and coughing. Skin exposure has been linked to allergic chromium) dermatitis and/or burns. Allergic dermatitis more commonly arises from contact with cement/water mixture than dry cement powder.
Carcinogenicity	:	Not applicable

12. Ecological Information

Ecotoxicity	:	LC50 Aquatic Toxicity Rating not determined.
Degradability	:	Not determined.
Bio-accumulative potential	:	Not determined.
Aquatic toxicity	:	Toxicity to bacteria, algae and higher marine organisms not tested although the addition of cements to water will, however, cause the Ph to rise and may therefore be toxic to aquatic life in some circumstances.

13. Disposal Considerations

Dispose of empty bags and surplus product to a place authorised to accept builders waste. Keep out of reach of children.

14. Transport Information

UK Supply Classification For conveyance - Not required

15. Regulatory Information

Classification (Xi)

R36/37/38

R41

R43

S22

S24/25

S26

S29

S36/37/39

Irritant

Irritating to eyes, respiratory system and skin.

Risk of serious damage to eyes

May cause sensitisation by skin contact

Do not breathe dust

Avoid contact with skin and eyes

In case of contact with eyes , rinse immediately with plenty of water and seek medical advice.

Do not empty into drains

Wear suitable protective clothing/suitable gloves and eye/face protection

16. Other Information

Date Issued : 1.03.2008

Reference : EFPS/03

Intended Use : Industrial floor topping.

Product Code : Ultra level IT Levelling Screed.